

## Selection Information

---

### General

Racor Turbine Series Fuel Filter/Water Separators have been protecting engines from water, dirt, foulants and other contaminants for over 30 years using a patented three-stage process:

1. **Separation.** The turbine centrifuge separates solids and 'free' water through centrifugal action. Although the turbine has no moving parts, over 30% of the contaminants are removed here.
2. **Coalescing.** Smaller water droplets and solids coalesce on the specially designed conical baffle and fall to the collection bowl.
3. **Filtration.** Engines benefit from near 100% water separation and fuel filtration with Racor's proprietary Aquabloc™ water repelling media.

The units are designed for installation on the suction (vacuum) side of the fuel transfer pump for best efficiency but may be installed on the pressure side up to 15 PSI.

### Filters:

High-capacity Aquabloc™ replaceable cartridge elements stop water and remove solid contamination and are available in 2, 10 or 30 micron. Boat owners can specify their filtration needs based on application, fuel quality, operating climates and maintenance schedules.

A 30 micron filter (or primary filter) is used to filter raw fuel (or poor quality fuel) before it can be further filtered by finer medias such as a 10 or 2 micron. A 10 micron filter (or secondary and even final) is used to filter fuel which is known to be of good quality. A 2 micron filter (or final filter) is the finest filtration available and is the last filter used prior to engine ingestion.

A simple rule to remember is the finer the filtration, the more frequent the filter change. (*Carry extra filters on board*).

### Collection Bowls:

The see-thru bowls used with these models won't discolor from alcohol, additives or UV light and feature NPT tapered thread plug for removing contaminants. An optional UL Listed shut-off drain valve may be ordered to simplify servicing. For gasoline or severe service in diesel applications, specify metal bowls, only.

### Options –Available for Diesel fuel systems only.

Water Probe RK21069. All units may be ordered with an in-bowl water probe to alert the operator of a high-water condition, even while the equipment is operating. The bowl is then drained of water at the earliest convenience. Note: A Racor Water Detection Module is needed to work with this probe. See Accessories.

Water Probe RK30880. Same features as above, except the 12 or 24 vdc electronic detection module is built-in the probe housing. Includes a detachable connector. See Accessories.

### Accessories

The condition of the filter may be monitored using a vacuum restriction gauge. See the Accessories Section.

## SELECTION

1. Along with the information you obtained in SECTION 2, SELECTION (page 94), consider the following:  
Are there any space limitations in the available location? The location should provide adequate overhead space for removing the element and underneath space for draining off contaminants from the bowl.
2. What filtration rating is needed? 2, 10 or 30 micron?
3. What options are needed? Water probe and/or a bowl shut-off drain valve?
4. Can the engine be shut down for servicing?  
For engine(s) that cannot be shut-down if servicing becomes necessary, specify only MAV or MAX units.

**Using this information, select a unit from the following page for your application.**

For additional information, call your Racor dealer or call Racor customer service at (209) 521-7860 or (800) 344-3286, 6:00 AM to 5:00 PM, Pacific Time, or e-mail us from our website, [www.parker.com/racor](http://www.parker.com/racor).

---

PROSEP FILTER SYSTEMS LTD  
Unit G19  
River Bank Way  
Lowfields Business Park  
Elland  
West Yorkshire  
HX5 9DN

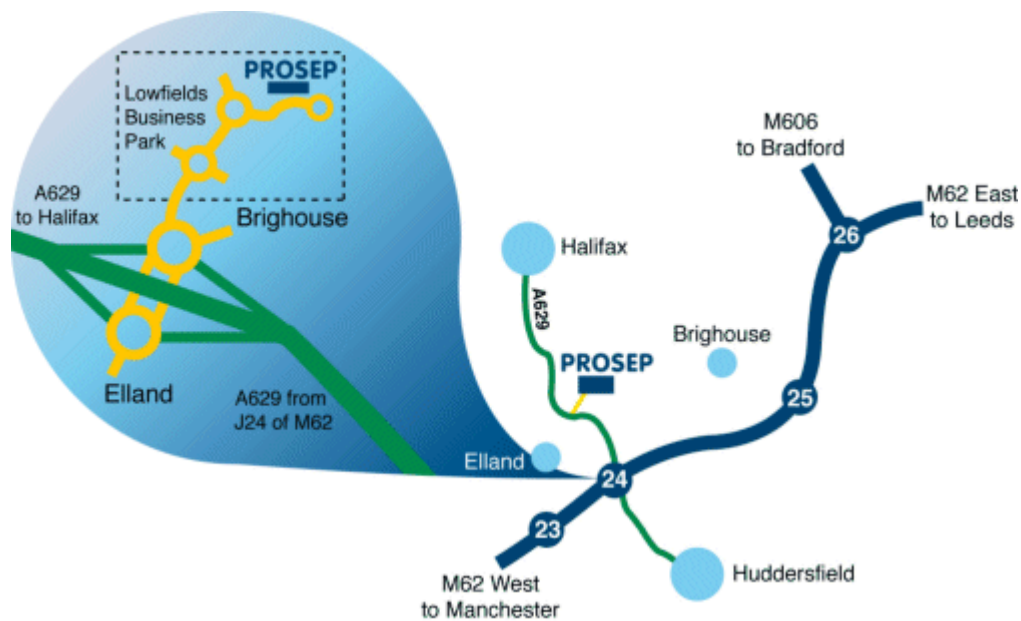
**Tel: 01422 377367**

**Fax: 01422 377369**

Email: [enquiries@prosep.co.uk](mailto:enquiries@prosep.co.uk)

[www.prosep.co.uk](http://www.prosep.co.uk)

**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)